

ABSTRACT OF THE DISCLOSURE

An instruction value Duty for bringing a slip rotation speed Nslip to a target rotation speed is feedback-controlled based on a difference e between the slip rotation speed Nslip and the target rotation speed, and a weight θ from a parameter map. Weights θ are assigned individually to a plurality of models, each of which includes a group of parameters and which are used to form a control model that represents a slip control system. Based on a weight that is assigned to one of the plurality of models, a weight that is assigned to at least one model that is other than the one of the plurality of models is specified. Thus, the amount of calculation required can be reduced by estimating weights for the models including the groups of parameters, which contain parameters that are used to construct the control model, instead of directly estimating the control model-constructing parameters.

700/28, 29, 31, 54

701/51, 67-68, 82

